

Fig.1

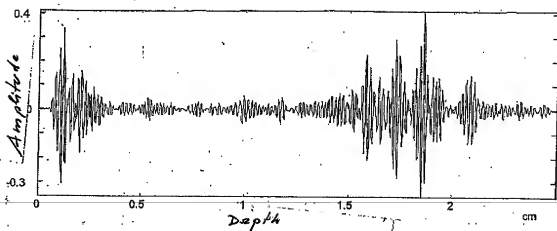


Fig.2

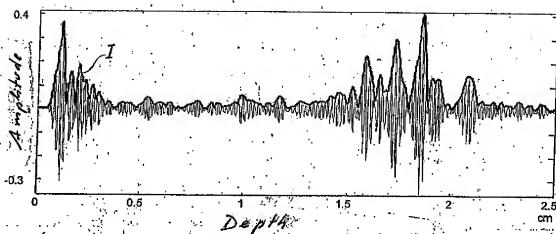
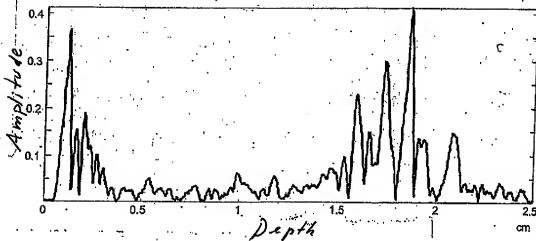


Fig.3



(A)

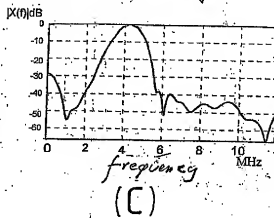
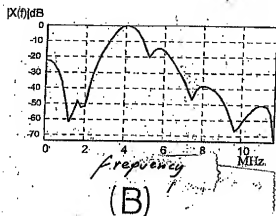
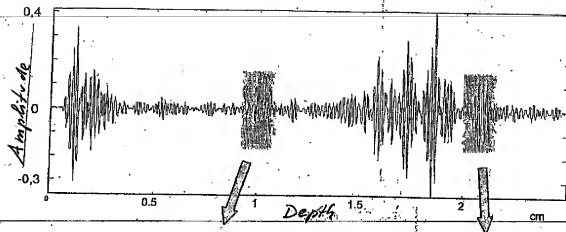


Fig. 4

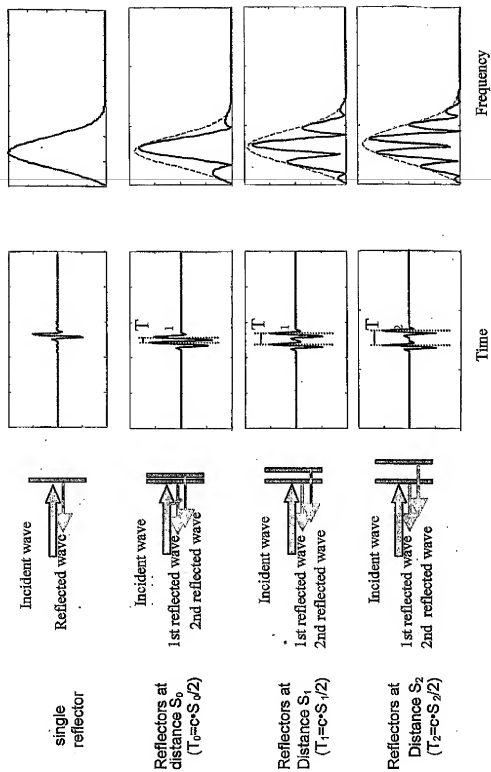
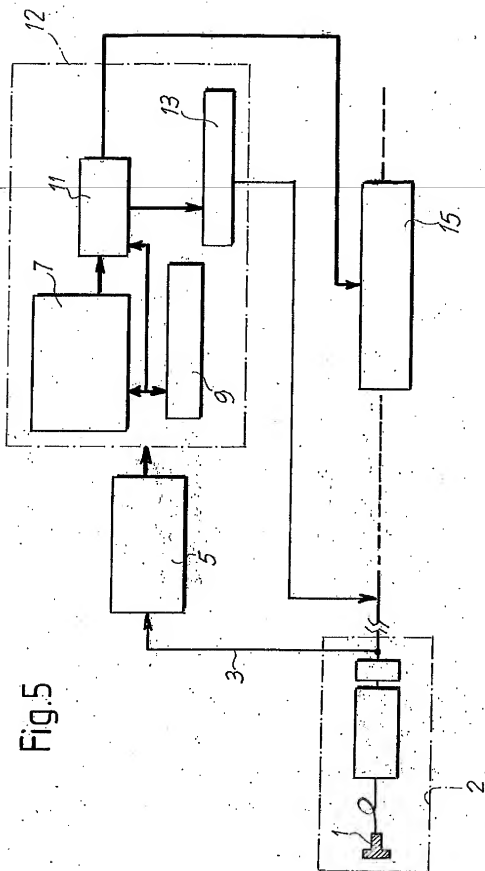
Fig.4D

Fig.5



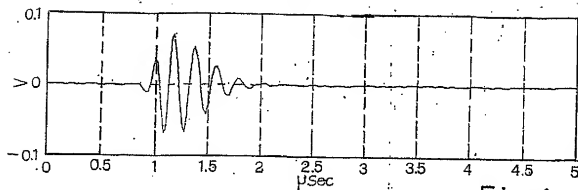


Fig. 6A

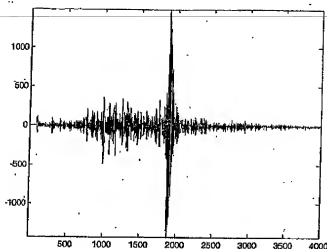


Fig. 6B

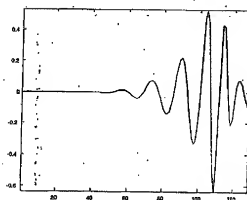


Fig. 6C

Band: 1 [0:2.5 MHz]

Band: 2 [2.5:5 MHz]

Band: 3 [5:7.5 MHz]

Band: 4 [7.5:10 MHz]

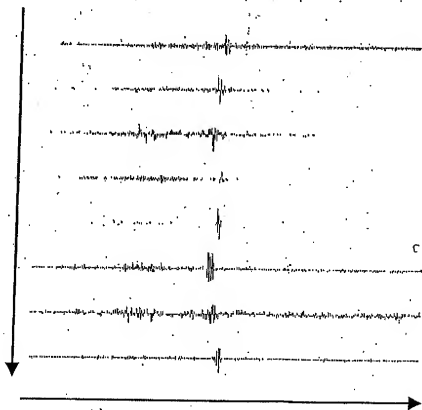
Band: 5 [10:12.5 MHz]

Band: 6 [12.5:15 MHz]

Band: 7 [15:17.5 MHz]

Band: 8 [17.5:20 MHz]

Fig. 6D



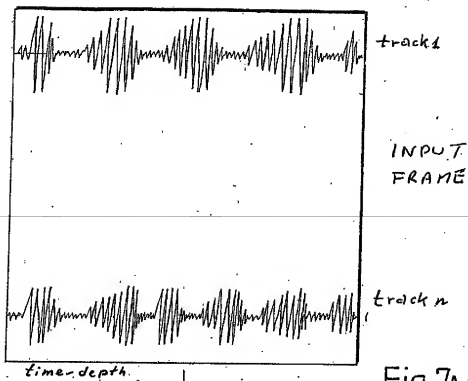


Fig. 7A

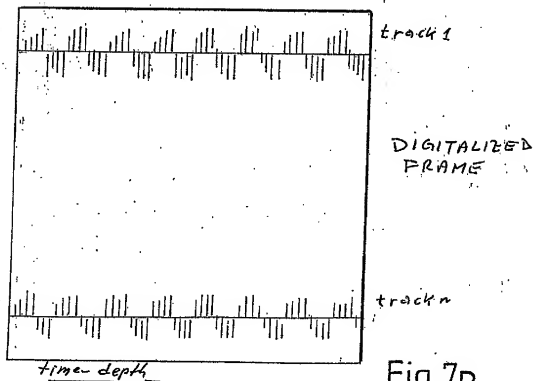


Fig. 7B

Fig. 7c

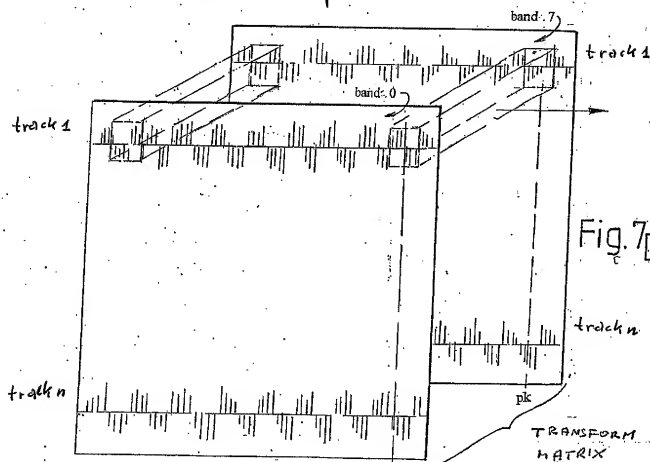
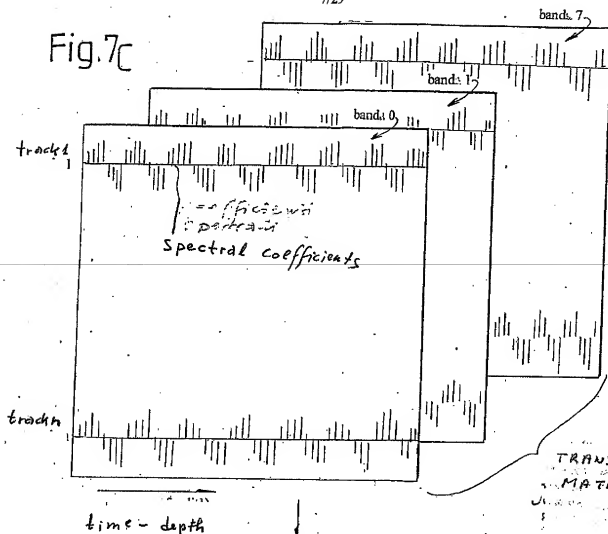


Fig. 7d

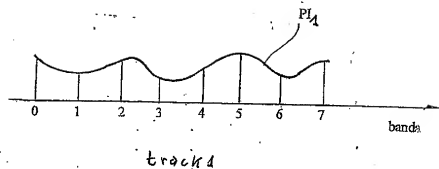
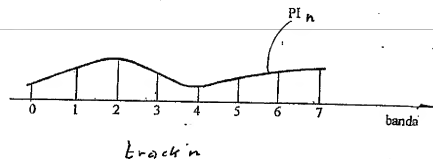


Fig. 7E



a_{11}	a_{12}	---	---	a_{1n}
a_{21}	a_{22}	---	---	a_{2n}
a_{n1}		---	---	a_{nn}

track 1

track 2

LOCAL ESTIMATORS
MATRIX

track n

Fig. 7F

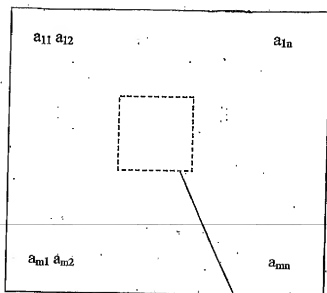
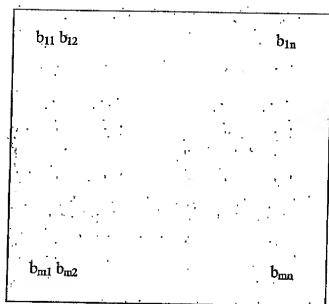


Fig.7G

LOCAL
ESTIMATORS
MATRIX

σ_{ij}

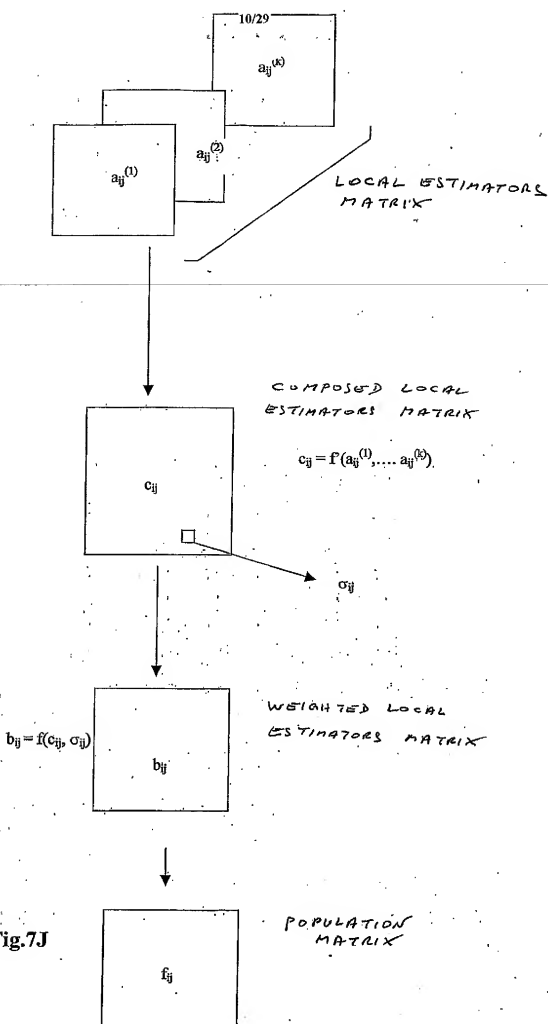


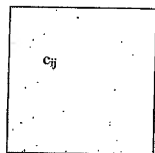
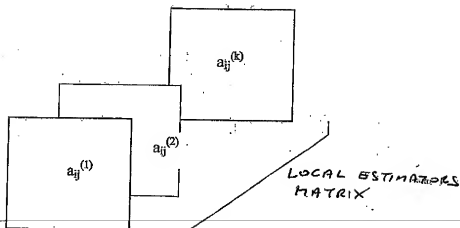
$$b_{ij} = f(a_{ij}, \sigma_{ij})$$

Fig.7H

WEIGHTED
LOCAL ESTIMATORS
MATRIX

Fig.7J





$$c_{ij} = f(a_{ij}^{(1)}, \dots, a_{ij}^{(k)})$$

COMPOSED LOCAL
ESTIMATORS MATRIX

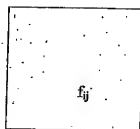
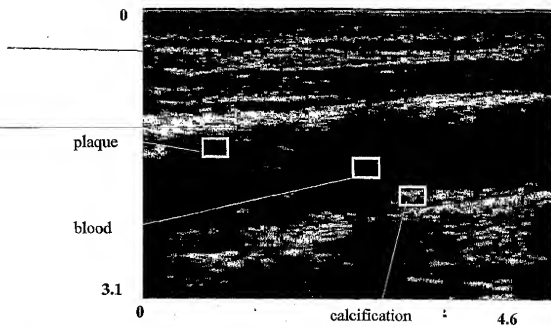
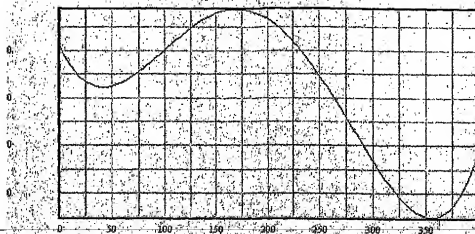
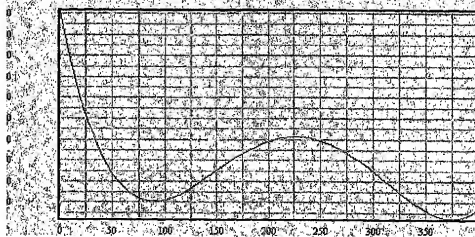
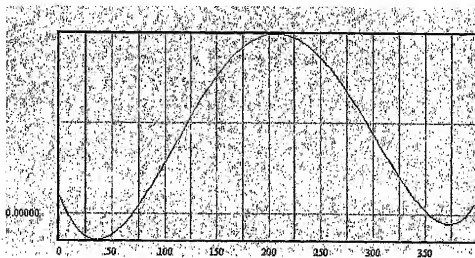
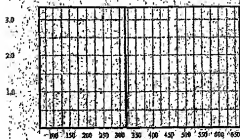
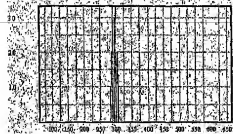
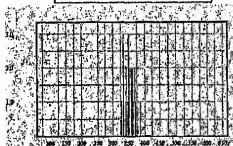
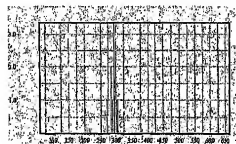


Fig. 7K

POPULATION
MATRIX

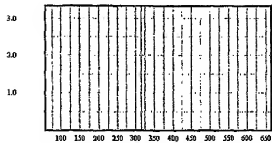
Fig.8A**Fig.8B**

**Fig.9A****Fig.9B****Fig.9C**

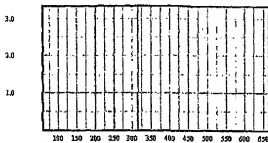
Coefficient A_0 Coefficient A_1 Coefficient A_2 Coefficient A_3 Coefficient A_4 **Fig.10**

15/29
Fig.11

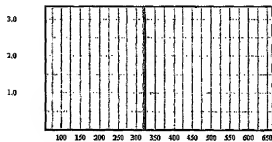
Coefficient A_0



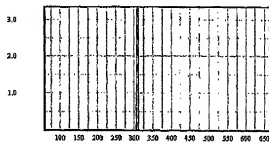
Coefficient A_1



Coefficient A_2



Coefficient A_3



Coefficient A_4

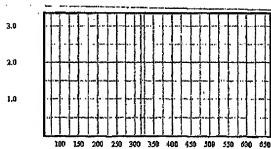


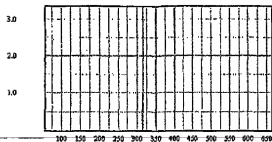
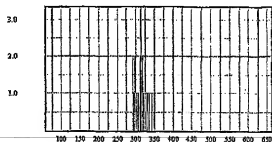
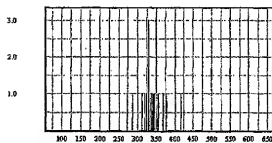
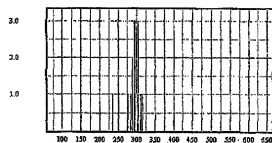
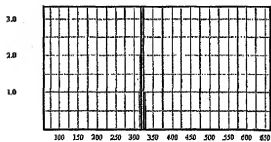
Fig.12**Coefficient A_0** **Coefficient A_1** **Coefficient A_2** **Coefficient A_3** **Coefficient A_4** 

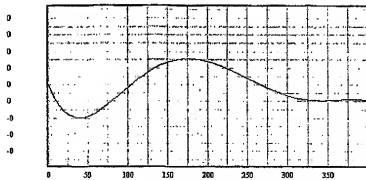
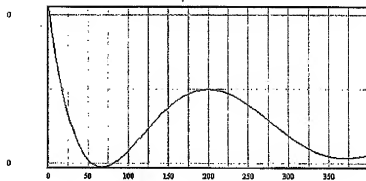
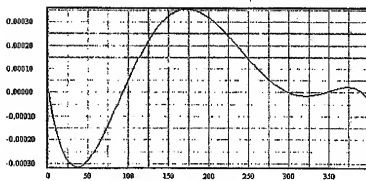
Fig.13A**Fig.13B****Fig.13C**

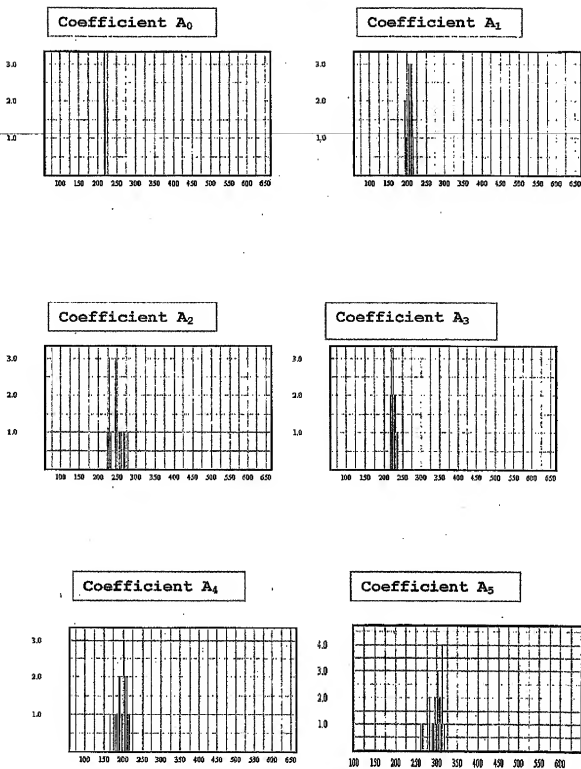
Fig.14

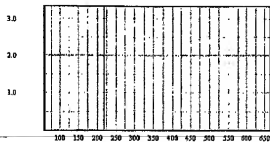
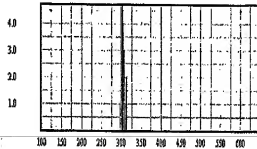
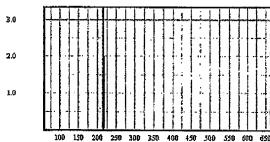
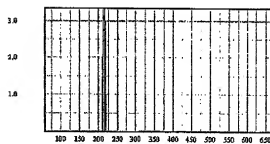
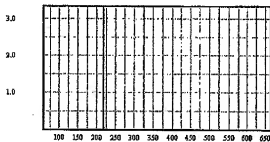
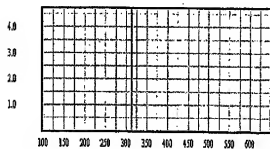
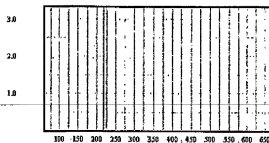
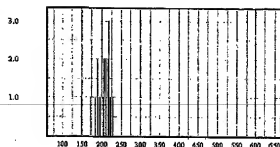
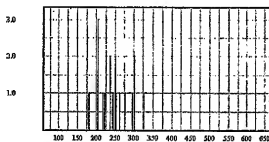
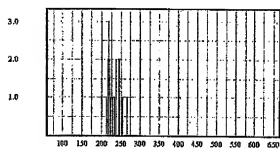
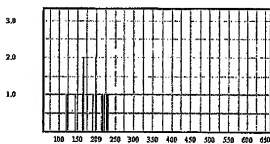
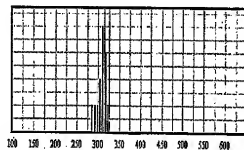
Fig.15**Coefficient A_0** **Coefficient A_1** **Coefficient A_2** **Coefficient A_3** **Coefficient A_4** **Coefficient A_5** 

Fig.16**Coefficient A_0** **Coefficient A_1** **Coefficient A_2** **Coefficient A_3** **Coefficient A_4** **Coefficient A_5** 

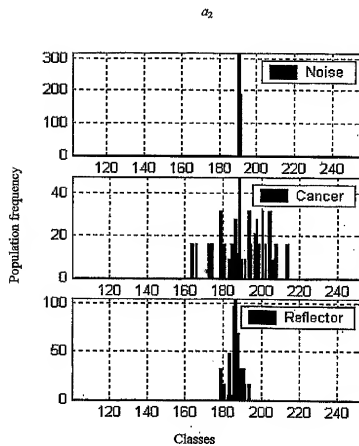
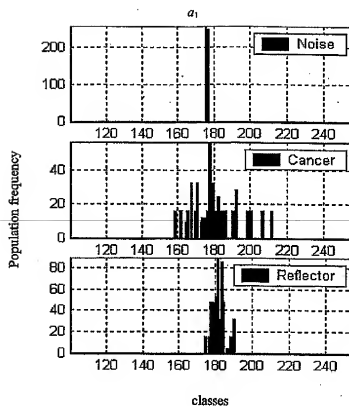


Fig.17A

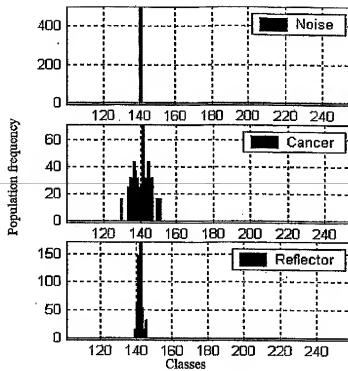
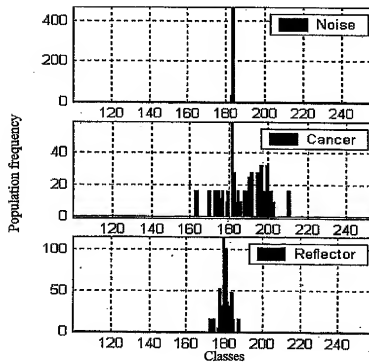
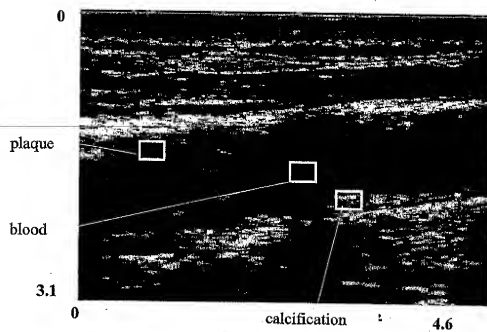
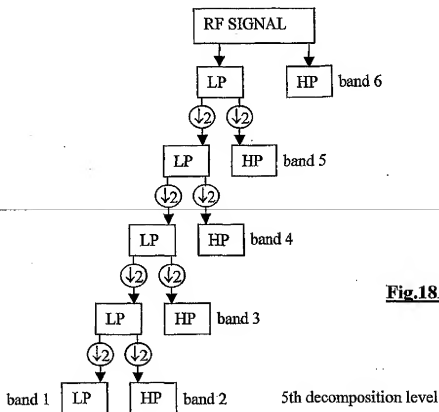
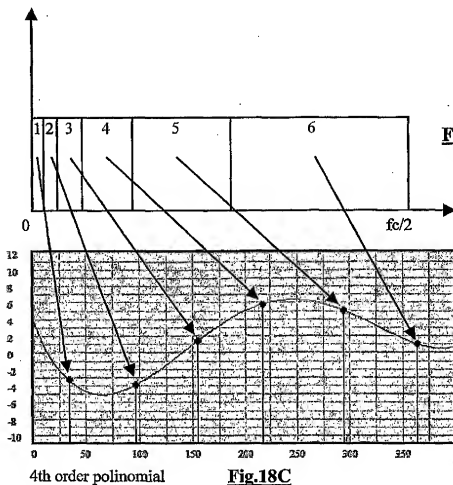
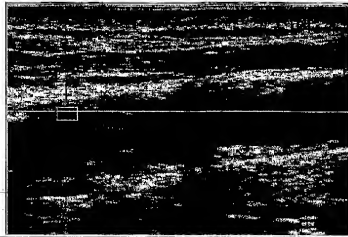
a_3  a_4 **Fig.17B**

Fig.17C**Fig.17D**

DISCRETE WAVELET DECOMPOSITION

**Fig.18A****Fig.18B****Fig.18C**

Plaque polinomial and histograms



Polinomial cursor and histogram window

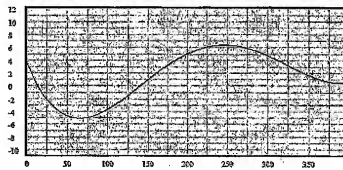
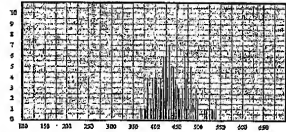


Fig.19

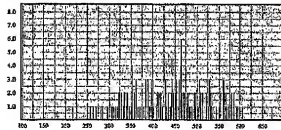
Coefficient A_0



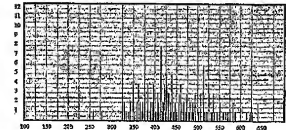
Coefficient A_1



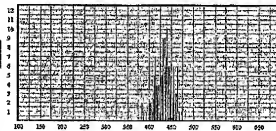
Coefficient A_2



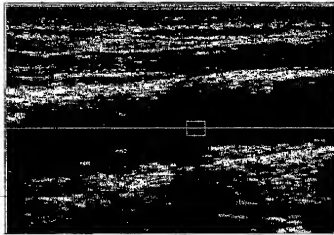
Coefficient A_3



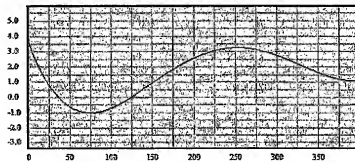
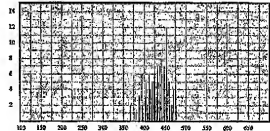
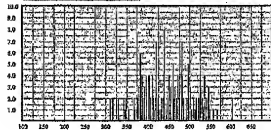
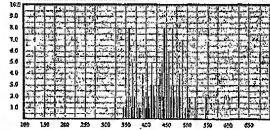
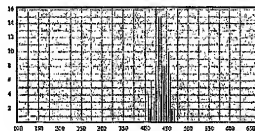
Coefficient A_4



Blood polinomial and histograms



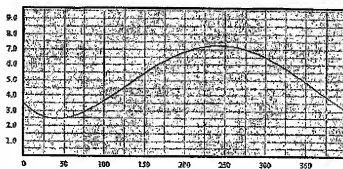
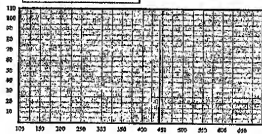
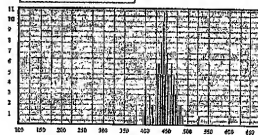
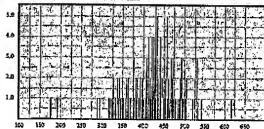
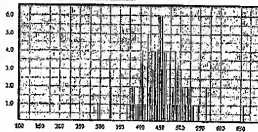
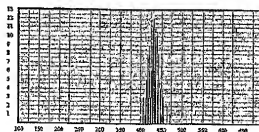
Polinomial cursor and histogram window

**Fig.20**Coefficient A_0 Coefficient A_1 Coefficient A_2 Coefficient A_3 Coefficient A_4 

Calcification polinomial and histograms

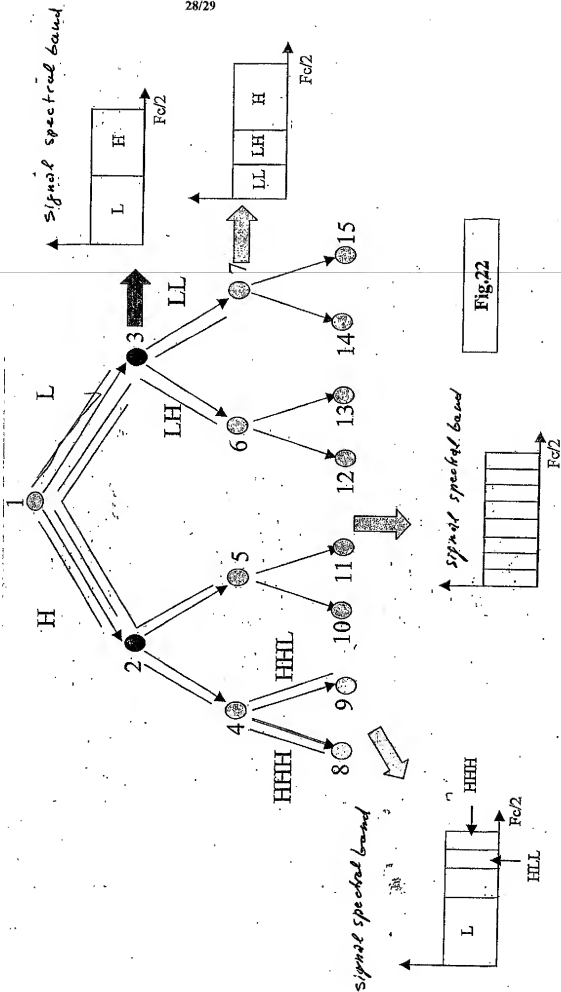


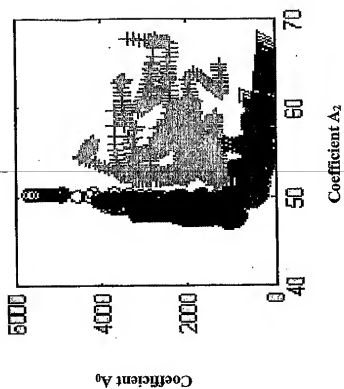
Polynomial cursor and histogram window

**Fig.21**Coefficient A_0 Coefficient A_1 Coefficient A_2 Coefficient A_3 Coefficient A_4 

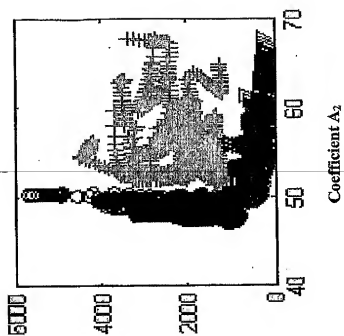
DWPT TRANSFORM

DECOMPOSITION TREE





(A)



(B)

Fig.23